



# BLUE™ Universal Thermostats

4 square inch display

## Single Stage / Multi-Stage / Heat Pump Applications

Non-Programmable, Programmable 5/1/1, 5/2 Day or 0 Programmable

Hardwired or Battery Powered

Includes Wall Plate F61-2634



## PROGRAMMABLE MODELS

**1F85-0471** 3/2

**1F85CA-0471** 3/2

Comfort-Alert Model  
with Active Protection for Systems with  
ComfortAlert Compressor Diagnostics

**1F85-0422** 2/2



Programmable

## NON-PROGRAMMABLE MODELS

**1F83-0471** 3/2

**1F83-0422** 2/2



Non-Programmable

- Quick One-Button Programming
- Exclusive Cool Savings™
- Exclusive Battery Power Monitor
- Millivolt and Hydronic Zone Valve Compatible

**5-Year Warranty**

**White**  
**Rodgers**™

**EMERSON**  
Climate Technologies

1F85-0471/1F85CA-0471/1F85-0422

5/1/1, 5/2 Day or 0 Programmable

1F83-0471/1F83-0422

Non-Programmable

# BLUE™ Universal Thermostats

• For Single Stage, Multi-Stage and Heat Pump Systems

• 5/1/1, 5/2 Day, 0 Programmable or Non-Programmable

• Hardwired or Battery Powered

**Exclusive 4" Blue Features**

Large, 4-square-inch Blue display with easy-to-see characters

Active protection for systems with ComfortAlert CA2 module compressor diagnostics (1F85CA-0471)

Quick one-button programming (See Automatic Schedule section in installation instructions)

Configures as manual heat/cool, auto changeover, heat only or cool only

Exclusive Cool Savings™ feature saves energy during peak A/C demand periods

Hydronic 2 or 3 wire zone valve applications

Exclusive battery power monitor

5-year warranty

**Programming**

Choice of 5/1/1 day programmable, 5/2 day or non-programmable (1F85-0471, 1F85CA-0471, 1F85-0422)

4 time and 4 temperature settings per program (heat &amp; cool)

Energy savings up to 33%

Patented pre-programmed software simplifies time and temperature programming

**Display**

Large LCD with improved contrast for easier reading

Lighted display for easier low-light viewing

**Comfort & Convenience**

Optional minimum and maximum temperature configurable

Permanent program retention during power loss

Indefinite setpoint Hold

Air filter change indicator (optional)

Simple "set-up" menu to activate optional features

Temporary temperature override two-hour minimum or until next program period (1F85-0471, 1F85CA-0471, 1F85-0422)

Soft-touch keypad

Display temperature recalibration (+/- 4°)

**Performance**

Dual-Powered...choice of battery-powered or hardwired, for all applications

Selectable Energy Management Recovery (1F85-0471, 1F85CA-0471, 1F85-0422)

Meets ENERGY STAR® specifications (1F85-0471, 1F85CA-0471, 1F85-0422)

Meets California Building Code, Title 24 (1F85-0471, 1F85CA-0471, 1F85-0422)

Fast (FA) or slow (SL) heating cycle anticipation

Easy-to-wire terminal block

Compressor lockout protection

Millivolt compatible

Electric heat option

**Terminal Designations****Dimensions**

5.1"W x 3.9"H x 1.2"D

**Electrical Specifications***Rating*

0 to 30 VAC, 50/60 Hz or DC

0.05 to 1.5 Amps (load per terminal)

2.5 Amps maximum load (all terminals combined)

*Standard Systems*

Gas, oil, electric

Single Stage/Heat Pump/Multi-Stage

*Millivolt Systems*

2 or 3 wire hydronic zone valve

**Thermal Specifications**

Setpoint Temperature Range: 45° to 90° F (7° to 32° C)

80 Series Blue Rated Differential: 0.4° to 1.7° F with adjustable anticipation

Operating Ambient Temperature: 32° to 105° F (0° to 40° C)

Operating Humidity Range: 90% non-condensing maximum

Shipping Temperature Range: -4° to 150° F (-20° to 65° C)

**Accessories**

Wall Plate F61-2634 (6.5"W x 5"H) for 80 Series Blue (Included with 1F85-0471, 1F85CA-0471, 1F85-0422, 1F83-0471, 1F83-0422)

Thermostat Guard F29-0231

(For additional guard options refer to White-Rodgers catalog at [www.white-rodgers.com](http://www.white-rodgers.com))**For Additional Information**Visit [www.white-rodgers.com](http://www.white-rodgers.com)

Single Stage	Multi-Stage	Heat Pump	Programs	Model	Applications		Power Source	Selectable Performance Features							Comfort and Convenience Features						
					Gas/Oil/Electric	Comfort Alert		Auto Changeover	Programmable Fan	Energy Mgt./Recovery	Energy Star	Dual Fuel Option	Temperature Limits	Indoor Remote Sensor*	Outdoor Remote Sensor*	Lighted Display	Audible Feedback	Cool Savings™	Daylight Savings Adjustment	Ignition Module Reset	Permanent Memory
			Stages Heat/Cool by System	Program Options	Model Number	Gas/Oil/Electric	Comfort Alert	3 Wire Zone	Millivolt	Auto Changeover	Programmable Fan	Energy Mgt./Recovery	Energy Star	Dual Fuel Option	Temperature Limits	Indoor Remote Sensor*	Outdoor Remote Sensor*	Lighted Display	Audible Feedback	Cool Savings™	Daylight Savings Adjustment
1/1	2/2	3/2	5+2,5+1+1,Ø	1F85-0471	✓	✓	✓	✓	B,H	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
1/1	2/2	3/2	5+2,5+1+1,Ø	1F85CA-0471	✓	✓	✓	✓	B,H	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
1/1	2/2	2/2	5+2,5+1+1,Ø	1F85-0422	✓	✓	✓	✓	B,H	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
1/1	2/2	3/2	Ø	1F83-0471	✓	✓	✓	✓	B,H	✓					✓	✓	✓	✓	✓	✓	✓
1/1	2/2	2/2	Ø	1F83-0422	✓	✓	✓	✓	B,H	✓					✓	✓	✓	✓	✓	✓	✓

B =Battery, H =Hardwired, PA=Power Stealing Assist \*\*\* Optional Continuous Display Light w/Hardwire Connection ▼ Only One (1) Remote Sensor May Be Used – Either Indoor or Outdoor; or Logic Program and Indoor Remote Sensor

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[www.white-rodgers.com](http://www.white-rodgers.com)

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